

Amendments to the Specification:

Please replace the paragraph beginning on line 20 of page 12 and ending on line 2 of page 12 with the following paragraph:

One additional condition this vtable approach introduces is a limit on the size of each constant return value that may be fetched from a vtable entry to a call site. That is, the size of the constant return value may not exceed the length of the vtable entry. For example, in a system having 32-bit memory addressing, an optimized call site cannot call a method returning a double-precision floating point value (64-bits long).

Please replace the paragraph beginning on line 9 and ending on line 15 of page 14 with the following paragraph:

During its traversal of indirect call sites, the filtering operation 502 removes from set M all target methods of a set T that has at least one target method member t not in set M . That is, if any T includes a target method member t that is not in set M , then the entire set T is removed from set M . Because removal of a target method t may affect other sets T associated with other call sites S , a conditional operation 504 determines whether any target methods removed from set M . If so, processing returns to filtering operation 502. Otherwise, processing proceeds to an initiating operation 506.